

GENERAL NOTES

1. A NOTICE OF INTENT WILL BE REQUIRED FOR THIS PROJECT.
2. ALL EXISTING DRAINAGE PIPES AND CULVERTS SHALL BE CLEANED OUT BEFORE STARTING CONSTRUCTION. PAYMENT WILL BE INCLUDED IN THE OVERALL BID . ALL EXISTING PIPE NOT USED WILL BE REMOVED.  
  
THE TEMPORARY PIPES AT STATION 138+00 (18") AND AT STATION 180+70 (48") USED DURING STAGE CONSTRUCTION THAT ARE TO REMAIN IN PLACE ARE TO BE FILLED WITH FLOWABLE FILL AND THE COST IS TO BE INCLUDED IN THE COST BID OF PIPE.



Know what's below  
Call before you dig

3.
4. DRIVEWAYS WILL BE PAVED FROM THE OUTSIDE EDGE OF THE TRAVEL LANE TO THE TIE-IN POINT OF THE EXISTING DRIVEWAY OR TO THE REQUIRED RIGHT OF WAY LINE, WHICHEVER IS FARTHEST AWAY FROM THE CENTERLINE. WHERE REQUIRED, DRIVEWAYS SHALL BE CONSTRUCTED AS FOLLOWS:

ASPHALT DRIVES

RESIDENTIAL:  
135 lb/yd2 ASPHALTIC CONCRETE, 12.5 mm SUPERPAVE  
220 lb/yd2 ASPHALTIC CONCRETE, 19mm SUPERPAVE  
4 INCH GRADED AGGREGATE BASE COURSE

COMMERCIAL:  
135 lb/yd2 ASPHALTIC CONCRETE, 12.5 mm SUPERPAVE  
220 lb/yd2 ASPHALTIC CONCRETE, 19 mm SUPERPAVE  
440 lb/yd2 ASPHALTIC CONCRETE 25mm SUPERPAVE  
6 INCH GRADED AGGREGATE BASE COURSE

CONCRETE DRIVES

RESIDENTIAL:  
6 INCH DRIVEWAY CONCRETE OR  
6 INCH CONCRETE VALLEY GUTTER

COMMERCIAL:  
6 INCH DRIVEWAY CONCRETE OR  
8 INCH CONCRETE VALLEY GUTTER

5. THERE IS NOT A SUITABLE SITE WITHIN THE PROJECT LIMITS TO BURY THE REMOVED BRIDGE. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF THE EXISTING BRIDGE, INCLUDING ANY PAINT REMOVAL THAT MAY BE REQUIRED. THE EXISTING BRIDGE IS NOT SALVAGEABLE. VERIFY THE TYPE PAINT USED ON THE EXISTING BRIDGE. LEAD BASED PAINT REQUIRES SPECIAL CONSIDERATIONS.

PROJECT SPECIFIC NOTES

PIPE CULVERT MATERIAL ALTERNATES FOR PIEDMONT/BLUE RIDGE REGION										
TYPE OF PIPE INSTALLATION			C O N C R E T E	CORRUGATED STEEL AASHTO M-36		CORRU- GATED ALUMINUM AASHTO M-96	PLASTIC			
				ALUMINUM COATED (TYPE 2) CORR. STEEL	PLAIN ZINC COATED	PLAIN UNCOATED ALUMINUM	CORR. POLY- ETHYLENE AASHTO M-252	CORR. POLY- ETHYLENE SMOOTHED LINED AASHTO M-254 TYPE "S"	POLY VINYL CHLORIDE (PVC) PROFILE WALL AASHTO M-304	POLY VINYL CHLORIDE (PVC) CORRUGATED SMOOTH INTERIOR ASTM F-949
S T O R M  D R A I N	LONGITUDINAL INTERSTATE AND TRAVEL BEARING			X						
	LONGITUDINAL NON- INTERSTATE AND NON- TRAVEL BEARING			X	X		X		X	X
	C R O S S	ADT < 250		X	X	X	X	X	X	X
		250 < ADT < 1500		X	X *	X	X	X	X	X
		ADT > 1500		X						
	D R A I N	ADT < 250			X	X	X	X	X	X
		ADT > 250				X	X	X	X	X
SIDE DRAIN			X	X	X	X	X	X	X	
PERMANENT SLOPE DRAIN				X	X	X	X	X	X	
PERFORATED UNDERDRAIN				X	X	X	X	X	X	
* THIS TYPE PIPE CAN BE USED IF THE ADDITION OF TYPE "B" COATING (AASHTO M-190, HALF BITUMINOUS COATED WITH PAVED INVERT) IS UTILIZED. NOTE: 1. ALLOWABLE MATERIALS ARE INDICATED BY AN "X". 2. STRUCTURAL REQUIREMENTS OF STORM DRAIN PIPE WILL BE IN ACCORDANCE WITH GEORGIA STANDARD 1030-D OR 1030-P, WHICHEVER IS APPLICABLE, AND THE STANDARD SPECIFICATIONS. 3. GRADED AGGREGATE BACKFILL SHALL BE USED IN CROSS DRAIN APPLICATIONS FOR ALL PLASTIC PIPES. (AASHTO M-294, HDPE PIPE; AASHTO M-304, PVC PIPE; ASTM F-949, PVC PIPE) 4. USE THE ALLOWABLE MATERIALS CHART UNLESS OTHERWISE NOTED IN THE PLANS. 5. TEMPORARY PIPE MAY BE PLASTIC, CMP, OR CONCRETE.										

6. THE CONTRACTOR SHALL PROVIDE ADDITIONAL STORM SEWER CAPACITY CALCULATIONS IF A PIPE MATERIAL OTHER THAN CONCRETE IS SELECTED.

7. METHOD OF UTILITY LOCATION - SUE. SEE UTILITY PLANS 24-0A THROUGH 24-17

8. REMOVAL - MATERIAL UNSUITABLE FOR EMBANKMENT CONSTRUCTION AT THE ENDFILLS WHICH WILL REQUIRE REMOVAL WAS ENCOUNTERED AT THE FOLLOWING LOCATIONS TO THE MAXIMUM DEPTHS INDICATED:

STATION TO STATION	LOCATION	MAXIMUM DEPTH
209+85 +/- TO 210+66 +/-	CL, LT. & RT.	5'
212+39 +/- TO 213+25 +/-	CL, LT. & RT.	5'

MATERIAL SHOULD BE REMOVED IN ACCORDANCE WITH THE REMOVAL DETAIL ON DRAWING 5-10.

THE REMOVED MATERIAL MAY BE USED IN THIN LAYERS TO FLATTEN SLOPES OR MAY BE WASTED OUTSIDE THE CONSTRUCTION LIMITS OF THE PROJECT. A LAYER OF TYPE B GEOGRID SHOULD BE PLACED IN THE BOTTOM OF THE REMOVAL TRENCH PRIOR TO PLACING THE ROCK EMBANKMENT. REPLACEMENT MATERIAL SHOULD BE WITH ROCK EMBANKMENT PLACED TO A HEIGHT OF 18 INCHES ABOVE THE WATER ELEVATION AT THE TIME OF CONSTRUCTION. THE TOP SURFACE OF THE ROCK EMBANKMENT SHOULD BE CHOKED OFF WITH FINES PRIOR TO NORMAL FILL PLACEMENT. THE EMBANKMENT SHOULD BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL ON DRAWING 5-09.

THE SOILS NEAR THE PROPOSED GRADE IN THE FOLLOWING AREAS WERE FOUND TO HAVE IN-PLACE MOISTURE CONTENTS FAR ABOVE THE OPTIMUM MOISTURE CONTENTS. THIS CONDITION HAS THE POTENTIAL TO CAUSE SEVERE PUMPING PROBLEMS DURING SUBGRADE AND BASE CONSTRUCTION. AFTER EXCAVATION IN THESE AREAS IS COMPLETE, WE RECCOMEND THAT 24 INCHES OF SUBGRADE SOILS BENEATH THE PAVEMENT AND SHOULDERS BE REMOVED AND EITHER DRIED OUT AND REPLACED, OR REPLACED WITH DRIER SOILS:

STATION TO STATION	LOCATION
128+00 +/- TO 133+00 +/-	CL, LT. & RT.
173+00 +/- TO 176+00 +/-	CL, LT. & RT.

THIS WORK SHOULD BE DONE AT THE DIRECTION OF THE ENGINEER, AND MAY BE ELIMINATED IF THE SUBGRADE SOILS ARE DRY AND STABLE AT THE TIME OF CONSTRUCTION.

INCLUDE THE COSTS FOR THIS WORK IN THE PAY ITEMS PROVIDED IN THE CONTRACT FOR EARTHWORK.

9. WASTE - NONE OF THE SOILS ENCOUNTERED ON THIS PROJECT WILL REQUIRE WASTING. HOWEVER, HIGH-VOLUME CHANGE CLASS 111C2 AND 111C3 MATERIALS EXCAVATED FROM THE FOLLOWING AREAS SHOULD NOT BE PLACED WITHIN THREE FEET OF THE BOTTOM OF THE SUBGRADE DIRECTLY BENEATH THE PAVEMENT SECTION:

STATION TO STATION	LOCATION
92+00 TO 99+00	CL, LT. & RT.
105+00 TO 112+00	LT.
119+50 TO 120+50	LT.
120+50 TO 145+00	CL, LT. & RT.
169+00 TO 176+00	CL, LT. & RT.
221+00 TO 223+00	RT.
223+00 TO 232+00	CL, LT. & RT.
241+00 TO 244+50	CL, LT. & RT.
252+50 TO 255+50	CL & RT.

THESE SOILS MAY BE USED IN THE BOTTOM OF HIGH FILL SECTIONS, IN THE SHOULDERS, OR IN SIDE SLOPES AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE DONE IN ACCORDANCE WITH SPECIAL PROVISION 205.

10. SPECIAL PROBLEMS

- A. A WELL WAS NOTED AT THE FOLLOWING LOCATION:

STATION TO STATION	LOCATION
170+50	80' LT

BORED WELLS SHOULD BE FILLED AND COVERED WITH A WELL COVER, AND DRILLED WELLS SHOULD BE PLUGGED TO BE INCLUDED IN THE OVERALL PRICE BID FOR THE PROJECT.

- B. SEVERAL RESIDENCES ARE LOCATED VERY CLOSE TO THE CONSTRUCTION LIMITS OF THE PROJECT. VIBRATIONS FROM CONSTRUCTION MAY CAUSE SOME CONCERN WITH PROPERTY OWNERS. WE RECOMMEND THAT THE PROJECT ENGINEER CONTACT THE GEOTECHNICAL ENGINEERING BUREAU PRIOR TO CONSTRUCTION TO EVALUATE THE NEED FOR CRACK SURVEYS AND VIBRATION MONITORING.

11. UTILITY SERVICES FOR THE TWO PEDESTRIAN CART TUNNELS ARE TO BE MAINTAINED BY PEACHTREE CITY.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL BORROW/WASTE PITS NEEDED FOR THE PROJECT AT NO ADDITIONAL COST TO THE DEPARTMENT. FURTHERMORE, THE CONTRACTOR SHALL NOTIFY THE DISTRICT MATERIALS ENGINEER SIX WEEKS PRIOR TO ANY LAND DISTURBING ACTIVITIES IN BORROW/WASTE PITS TO ALLOW AMPLE TIME FOR INVESTIGATION OF MATERIALS AND ENVIRONMENTAL CONSIDERATIONS.

13. SIDEWALK HAS BEEN OMITTED ON THE CROSS SECTIONS AND WILL BE ADDED BY A USE ON CONSTRUCTION REVISION AT A LATER DATE. (SIDEWALK WAS ADDED TO THE CROSS SECTIONS WITH THE 9/30/09 REVISION)

14. THE STRUCTURES AS FOLLOWS ARE TO BE REMOVED AND PAID FOR UNDER THE COST BID FOR CLEARING AND GRUBBING  
PARCEL 2 FRAME HOUSE STA 96+00 PADGETT RD/APPROXIMATELY 9 FT LT  
PARCEL 7 CONCRETE BLOCK BUILDING STA 19+50 SR85/APPROXIMATELY 60 FT RT

UTILITY OWNER	SERVICE	CONTACT NUMBERS
AGL Resources, Inc.	Gas	(404) 584-3111
BellSouth Telecommunications, Inc.	Telephone	(770) 514-1480
Charter Communications	Cable	(404) 732-4786
City of Fayetteville Water & Sewer	Water & Sewer	(770) 460-0871
City of Tyrone		(770) 487-4038
Comcast Entlity (f/k/a AT&T Broadband)	Braodband	(770) 559-2158
Coweta-Fayette EMC	Emergency Services	(770) 253-5626
Fayette County Water System	Water	(770) 461-1146
Georgia Power Company - BIN 20025	Electriclity	(404) 506-6597
Georgia Power Company - Transmission	Electriclity	(770) 306-5760
Nullink Cable TV	Utilities	(770) 683-6169
Peachtree City Water and Sewer Department	Water & Sewer	(770) 487-7993

MULKEY

ENGINEERS & CONSULTANTS

1255 CANTON STREET, SUITE G  
ROSWELL, GEORGIA 30075  
(678) 461-3511

REVISION DATES

9/9/09			
9/30/09			

STATE OF GEORGIA  
DEPARTMENT OF TRANSPORTATION  
OFFICE:CONSULTANT DESIGN

GENERAL NOTES

FAYETTE COUNTY

DRAWING No.

4-01